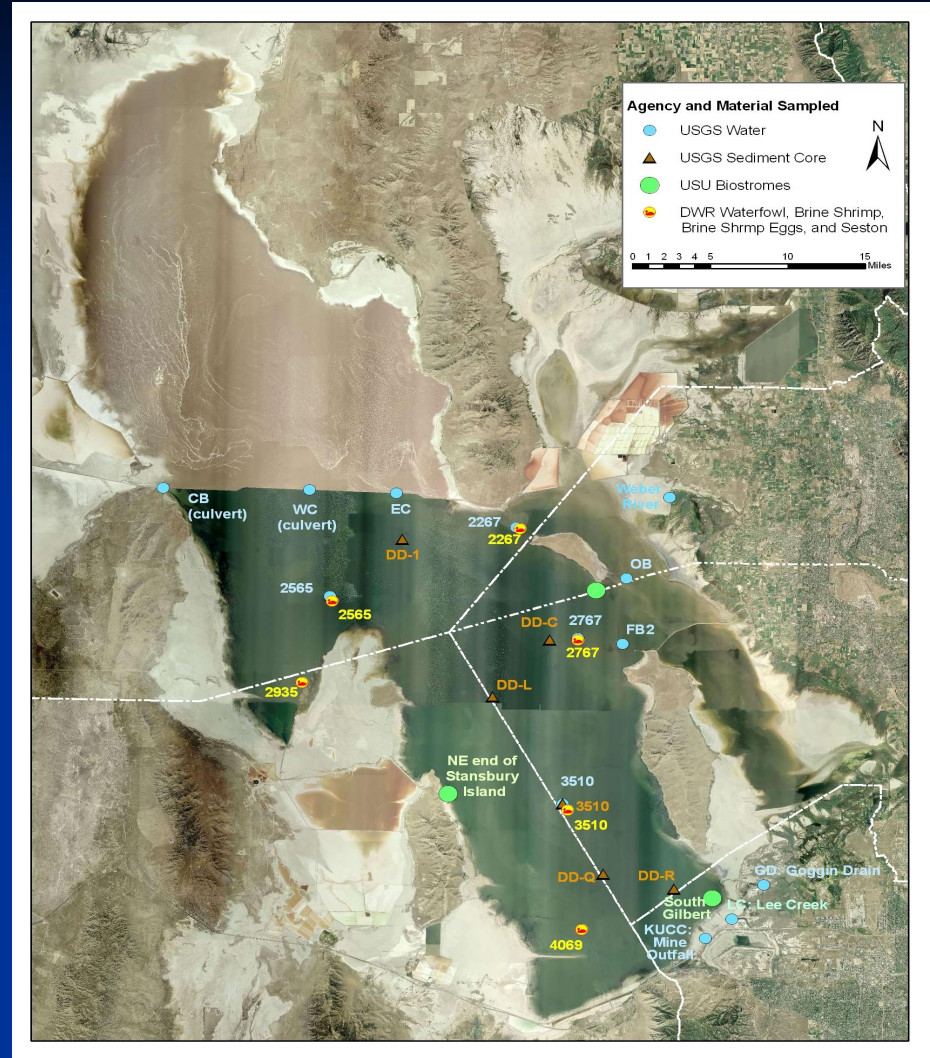


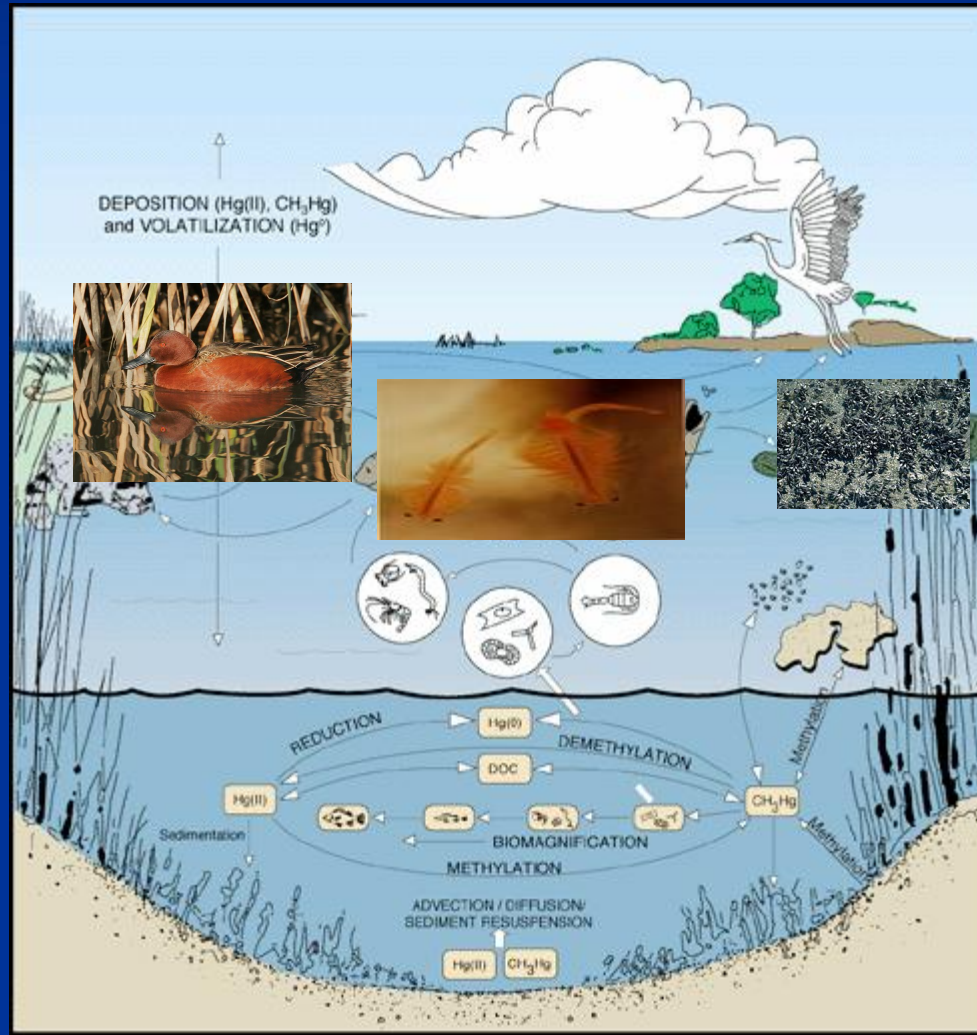
# Mercury (Hg) in the Great Salt Lake (GSL) Ecosystem



Jodi Gardberg  
Utah DEQ, Division of Water Quality

# Assessment of Hg in the GSL Ecosystem

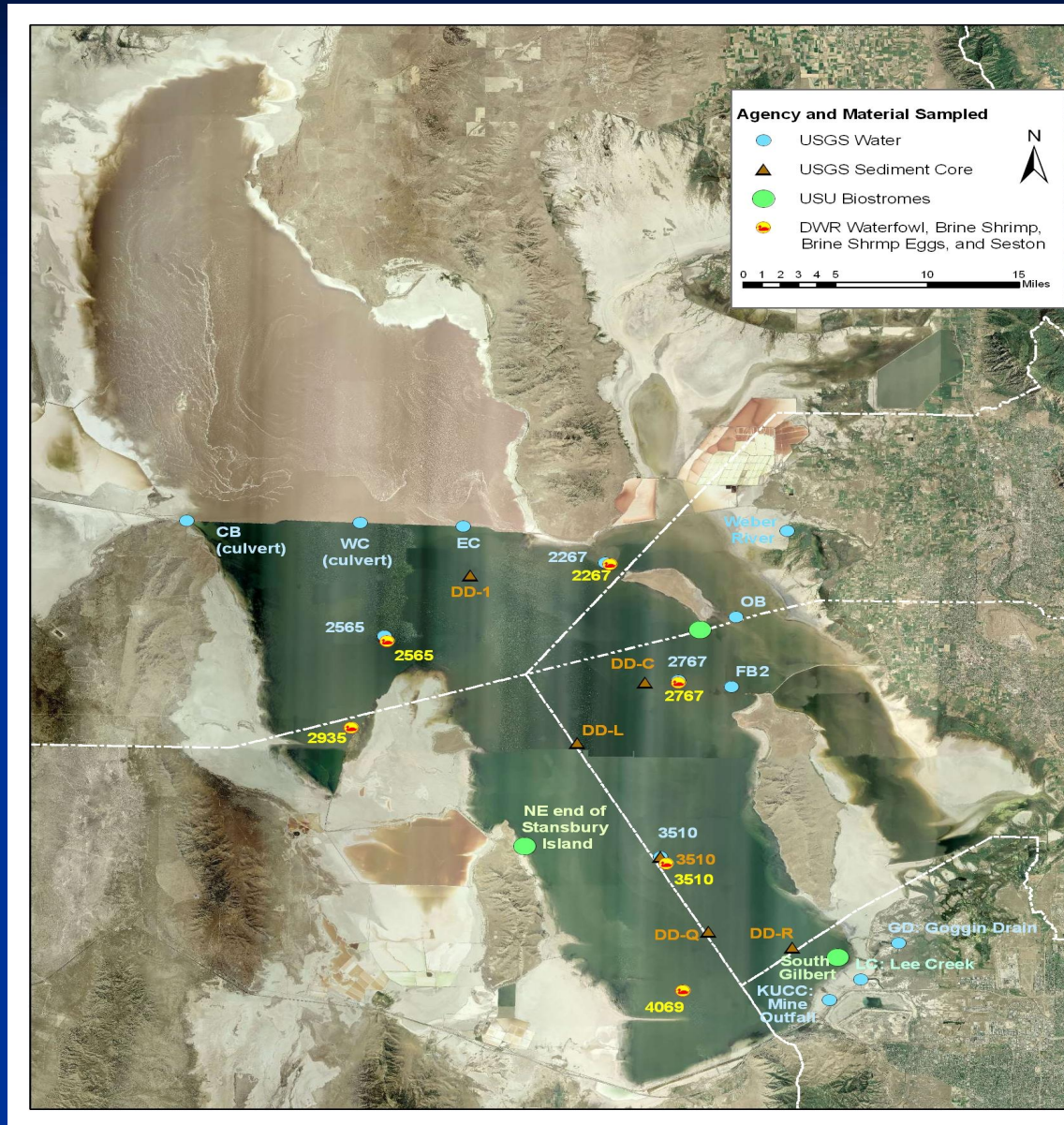
Assess Hg concentrations in the inflow, sediment, water column, avian tissues and food-chain biota





# Mercury in the Water Column and Sediment

- Hg in the inflow and water column (50 samples)
  - Dave Naftz, US Geological Survey
- Hg in the sediment (50 samples)
  - Dave Naftz, US Geological Survey

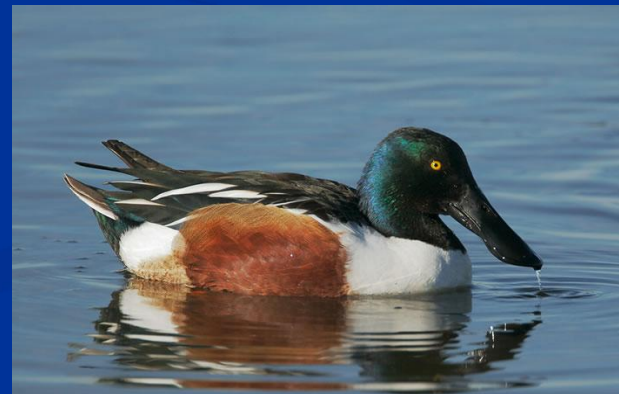


# Mercury in the Avian Species

John Neil, Great Salt Lake Ecosystems Project, Division of Wildlife Resources

Chris Cline, US Fish and Wildlife Service

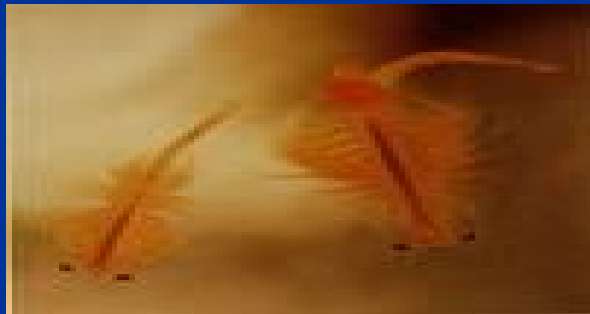
- Hg in Cinnamon Teal
  - Eggs – 30 samples
  - Juveniles – 21 samples
  - Adults – 29 samples
- Hg in Northern Shovelers
  - Adults – 48 samples
- Hg in Common Goldeneye
  - Adults – 15 samples



# Mercury in the Avian Diet

John Luft, Great Salt Lake Ecosystems Project, Division of  
Wildlife Resources

- Hg in Brine Shrimp and Brine Shrimp Cysts
  - 115 samples of Brine Shrimp (from June to December)
  - 25 samples of Brine Cysts (from June to November)





# Mercury in the Avian Diet

Wayne Wurtsbaugh and Caleb Izdepski, Utah State University

- Hg in Brine Fly
  - Larve – 32 samples
  - Pupae – 15 samples
  - Adult – 10 samples
- Hg in Water above the Stromatolite
  - 54 samples
- Hg in the Periphyton
  - 69 samples
- Hg in the Seston
  - 28 samples



# Mercury in the GSL Wetlands and Farmington Bay

- Hg in Plants and Macroinvertebrates (15 samples)
  - Theron Miller, Division of Water Quality
- Hg in the Water Column (117 samples) and Sediments (29 samples)
  - Dave Naftz, US Geological Survey

